

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	18
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_18				
Comment Code					
Inspector Comment					
The LMA has completed flood fight training in the past. Recommend taking flood fight training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	0.07	Rating **	M	Issue No.	6
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.414649 °	39.417689 °
				-122.009853 °	-122.010369 °
DWR ID	DWR_ST0010_02_f_2022_4				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 164.7 R					
Status: Eroding					
2017 Field Notes: New erosion along entire site.					
Site History: 2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011 - Site extended downstream.					

Photo 1 of 2 : FA_2018_LD0002_28_6_20180905_00003.jpg



USACE 2013 Photo #1

LM Start	0.07	Rating **	M	Issue No.	6 (cont)
LM End	0.28	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_LD0002_28_6_20180905_00004.jpg



USACE 2013 Photo #2

LM Start	0.64	Rating **	M	Issue No.	35
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.422805 °	39.424597 °
				-122.011640 °	-122.011527 °
DWR ID	DWR_LD0002_01_s_2018_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the waterside slope.					

Photo 1 of 1 : FA_2018_LD0002_28_35_20180905_00018.jpg



View of the vegetation along the waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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Levee District No. 0002 (Glenn County)

No Photos

No Photos

View of a depression on the levee crown looking upstream.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	1.52	Rating **	U	Issue No.	15
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.435485 °	39.436643 °
				-122.010640 °	-122.010498 °
DWR ID	DWR_LD0002_01_f_2012_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA_2018_LD0002_28_15_20181001_00057.jpg



View of the rodent holes along the landside slope.

LM Start	1.63	Rating **	M	Issue No.	32
LM End	1.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.437148 °	39.437148 °
				-122.010475 °	-122.010475 °
DWR ID	DWR_LD0002_01_f_2017_32				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

Photo 1 of 1 : FA_2018_LD0002_28_32_20180905_00016.jpg



View of the prunings along the waterside slope.

LM Start	2.91	Rating **	U	Issue No.	2
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.453595 °	39.454003 °
				-122.016273 °	-122.015503 °
DWR ID	DWR_LD0002_01_f_2015_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 2 : FA_2018_LD0002_28_2_20180905_00001.jpg



View of the rodent holes along the landside slope.

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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	2.91	Rating **	U	Issue No.	2 (cont)	
LM End	2.96	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.453595 °		39.454003 °
				-122.016273 °		-122.015503 °
DWR ID	DWR_LD0002_01_f_2015_2					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Repair the rodent holes along the landside slope.						

Photo 2 of 2 : FA_2018_LD0002_28_2_20180905_00002.jpg



View of the rodent holes and bait station along the landside slope.

LM Start	3.11	Rating **	U	Issue No.	12
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455647 °	39.456004 °
				-122.013623 °	-122.012776 °
DWR ID	DWR_LD0002_01_s_2013_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along landside slope.					

Photo 1 of 1 : FA_2018_LD0002_28_12_20180905_00005.jpg



View of the rodent activity along the landside slope.

LM Start	3.21	Rating **	C	Issue No.	37
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.456170 °	39.456170 °
				-122.011908 °	-122.011908 °
DWR ID	DWR_LD0002_01_s_2016_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The willow branches was trimmed on L/S slope					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	3.44	Rating **	U	Issue No.	27 (cont)	
LM End	3.52	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.457692 °		39.458705 °
				-122.009517 °		-122.009872 °
DWR ID	DWR_LD0002_01_s_2014_27					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Repair the rodent holes on landside slope.						

Photo 2 of 2 : FA_2018_LD0002_28_27_20180905_00012.jpg



View of the rodent holes along the landside slope.

LM Start	3.53	Rating **	U	Issue No.	13
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.458803 °	39.459305 °
				-122.009980 °	-122.010511 °
DWR ID	DWR_LD0002_01_s_2013_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0002_28_13_20180905_00006.jpg



View of the rodent activity along the landside slope.

LM Start	3.60	Rating **	C	Issue No.	46
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.459678 °	39.459678 °
				-122.010785 °	-122.010785 °
DWR ID	DWR_LD0002_01_f_2016_46				
Comment Code					
PR : Prunings					
Inspector Comment					
The tree limb was removed from the waterside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	3.94	Rating **	C	Issue No.	31
LM End	3.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.464548 °	39.464548 °
				-122.011420 °	-122.011420 °
DWR ID	DWR_LD0002_01_s_2017_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree was removed from the waterside slope and toe.					

No Photos

LM Start	4.02	Rating **	M	Issue No.	28
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.465657 °	39.465657 °
				-122.011237 °	-122.011237 °
DWR ID	DWR_LD0002_01_f_2018_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA_2018_LD0002_28_28_20181001_00068.jpg



View of the rodent holes along the landside slope.

LM Start	4.02	Rating **	C	Issue No.	49
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.465687 °	39.465687 °
				-122.011257 °	-122.011257 °
DWR ID	DWR_LD0002_01_s_2017_49				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree was removed from the waterside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/10/2018 09/10/2018	Bob Duffey

LM Start	4.05	Rating **	C	Issue No.	50
LM End	4.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.466158°	39.466158°	
			-122.011335°	-122.011335°	
DWR ID	DWR_LD0002_01_s_2017_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree was removed from the waterside slope and toe.					

No Photos

LM Start	4.62	Rating **	M	Issue No.	51
LM End	4.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.473522°	39.473522°	
			-122.015418°	-122.015418°	
DWR ID	DWR_LD0002_01_s_2017_51				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	4.70	Rating **	M	Issue No.	52
LM End	4.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.474468°	39.474468°	
			-122.016175°	-122.016175°	
DWR ID	DWR_LD0002_01_s_2017_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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